

表 7.4.9 1990 年至 2022 年一般事業廢棄物焚化處理之二氧化碳與氧化亞氮排放量

年份	一般事業廢棄物焚化量	分類								礦物碳比例 (FCF)	焚化爐燃燒效率 (OF)	二氧化碳排放量	氧化亞氮排放係數	氧化亞氮排放量
		食品	纖維布	木頭	紙	石油化學	橡膠	營造拆除	其他					
	千公噸	%								%	%	kt CO ₂ e	g N ₂ O/T	kt CO ₂ e
1990	77.7	0.00%	0.55%	0.74%	15.68%	40.66%	0.16%	0.07%	42.13%	34.08%	100%	85.73	47	0.85
1991	28.8	0.00%	0.55%	0.74%	15.68%	40.66%	0.16%	0.07%	42.13%	34.08%	100%	31.80	47	0.32
1992	255.4	0.00%	0.55%	0.74%	15.68%	40.66%	0.16%	0.07%	42.13%	34.08%	100%	281.62	47	2.81
1993	249.0	0.00%	0.55%	0.74%	15.68%	40.66%	0.16%	0.07%	42.13%	34.08%	100%	274.62	47	2.74
1994	412.5	0.00%	0.55%	0.74%	15.68%	40.66%	0.16%	0.07%	42.13%	34.08%	100%	454.90	47	4.53
1995	1,301.0	0.00%	0.55%	0.74%	15.68%	40.66%	0.16%	0.07%	42.13%	34.08%	100%	1,434.64	47	14.30
1996	1,364.6	0.00%	0.55%	0.74%	15.68%	40.66%	0.16%	0.07%	42.13%	34.08%	100%	1,504.77	47	15.00
1997	272.3	0.00%	0.55%	0.74%	15.68%	40.66%	0.16%	0.07%	42.13%	34.08%	100%	300.29	47	2.99
1998	405.7	0.00%	0.55%	0.74%	15.68%	40.66%	0.16%	0.07%	42.13%	34.08%	100%	447.40	47	4.46
1999	231.5	0.00%	0.55%	0.74%	15.68%	40.66%	0.16%	0.07%	42.13%	34.08%	100%	255.29	47	2.54
2000	570.1	0.00%	0.55%	0.74%	15.68%	40.66%	0.16%	0.07%	42.13%	34.08%	100%	628.64	47	6.27
2001	2,144.6	0.00%	0.55%	0.74%	15.68%	40.66%	0.16%	0.07%	42.13%	34.08%	100%	2,364.84	47	23.57
2002	1,878.9	0.00%	0.55%	0.74%	15.68%	40.66%	0.16%	0.07%	42.13%	34.08%	100%	2,071.98	47	20.65
2003	1,703.6	0.00%	0.55%	0.74%	15.68%	40.66%	0.16%	0.07%	42.13%	34.08%	100%	1,880.16	47	18.74
2004	1,648.3	0.00%	0.55%	0.74%	15.68%	40.66%	0.16%	0.07%	42.13%	34.08%	100%	1,817.54	47	18.12
2005	1,956.1	0.00%	0.55%	0.74%	15.68%	40.66%	0.16%	0.07%	42.13%	34.08%	100%	706.99	47	7.05
2006	2,174.6	0.00%	0.55%	0.74%	15.68%	40.66%	0.16%	0.07%	42.13%	34.08%	100%	772.60	47	7.70
2007	2,121.7	0.00%	0.55%	0.74%	15.68%	40.66%	0.16%	0.07%	42.13%	34.08%	100%	762.24	47	7.60
2008	1,470.6	0.00%	0.55%	0.74%	15.68%	40.66%	0.16%	0.07%	42.13%	34.08%	100%	667.13	47	6.65
2009	614.5	0.00%	0.55%	0.74%	15.68%	40.66%	0.16%	0.07%	42.13%	34.08%	100%	640.37	47	6.38
2010	773.0	0.00%	0.55%	0.74%	15.68%	40.66%	0.16%	0.07%	42.13%	34.08%	100%	679.92	47	6.78
2011	660.2	0.00%	0.54%	0.48%	16.96%	32.58%	0.92%	0.04%	48.48%	27.94%	100%	613.71	47	7.46
2012	616.9	0.00%	0.54%	0.69%	17.77%	34.78%	0.22%	0.05%	45.94%	29.52%	100%	601.00	47	6.92
2013	629.4	0.00%	0.39%	0.91%	17.26%	44.11%	0.03%	0.01%	37.29%	36.65%	100%	758.02	47	7.03
2014	624.1	0.00%	0.47%	0.91%	18.32%	39.58%	0.10%	0.02%	40.61%	33.16%	100%	702.33	47	7.19
2015	434.1	0.00%	0.52%	0.84%	19.52%	38.53%	0.08%	0.01%	40.50%	32.33%	100%	442.29	47	4.65
2016	480.3	0.00%	0.49%	0.79%	15.34%	40.95%	0.06%	0.05%	42.32%	34.28%	100%	551.31	47	5.46
2017	471.9	0.00%	0.56%	0.68%	13.50%	44.36%	0.07%	0.00%	40.81%	36.95%	100%	558.94	47	5.14
2018	488.9	0.00%	0.63%	0.80%	14.85%	44.45%	0.07%	0.01%	39.19%	37.00%	100%	582.72	47	5.35
2019	570.4	0.00%	0.56%	0.64%	14.08%	41.65%	0.05%	0.29%	42.74%	34.90%	100%	633.88	47	6.17
2020	654.1	0.00%	0.68%	0.68%	14.63%	41.35%	0.11%	0.14%	42.42%	34.65%	100%	702.46	47	6.89
2021	696.2	0.00%	0.69%	0.70%	10.27%	44.93%	0.09%	0.18%	43.14%	37.50%	100%	802.81	47	7.27
2022	575.6	0.00%	0.69%	0.70%	10.48%	44.71%	0.09%	0.18%	43.15%	37.33%	100%	787.79	47	7.17

資料來源：1. 1990 年至 2004 年活動數據採用統計年報計算而得（一般廢棄物＋一般事業廢棄物－大型焚化爐焚化量），環境部中華民國環境保護統計年報，2023 年。

2. 2005 年至 2010 年活動數據採用環境部「事業廢棄物申報及管理資訊系統」中，焚化處理聯單申報之一般事業廢棄物送至中小型焚化爐處理量並參考 2011 年至 2022 年環境部「固定污染源空污費暨排放量申報整合管理系統」中，無能源回收之中小型焚化爐廢棄物焚化量平均調整 1.1 倍。

3. 2011 年後則直接採用環境部「固定污染源空污費暨排放量申報整合管理系統」中，無能源回收之中小型焚化爐廢棄物焚化量作為活動數據。